Acid Strength Lab

Problems:

1. What will the pH of 2 different acids be?
2. What will happen to the pH of both acids when you add 50 ml of water to them?
3. If you neutralize the acids, how could you compare the strength?
4. If you added 1 cm of Mg to both acids how could you compare the strengths?

Material: 2 acids (15 ml), U. indicator, water (50 ml), Baking Soda solution, Thermometer, 2 pieces of Mg.

Data:

|  |  |  |  |
| --- | --- | --- | --- |
|  | pH | pH + 50 ml of water | Baking soda solution needed to neutralize (ml) |
| Acid 1 |  |  |  |
| Acid 2 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | I.T. | F.T. | Change in T. |
| Acid 1 + Mg (mass=\_\_\_\_\_\_\_ |  |  |  |
| Acid 2 + Mg (mass= \_\_\_\_\_\_\_ |  |  |  |

Conclusion: From notes